

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P852358

Luminaire Tested: **GLAN-SB3B-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852358
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3B-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12357 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

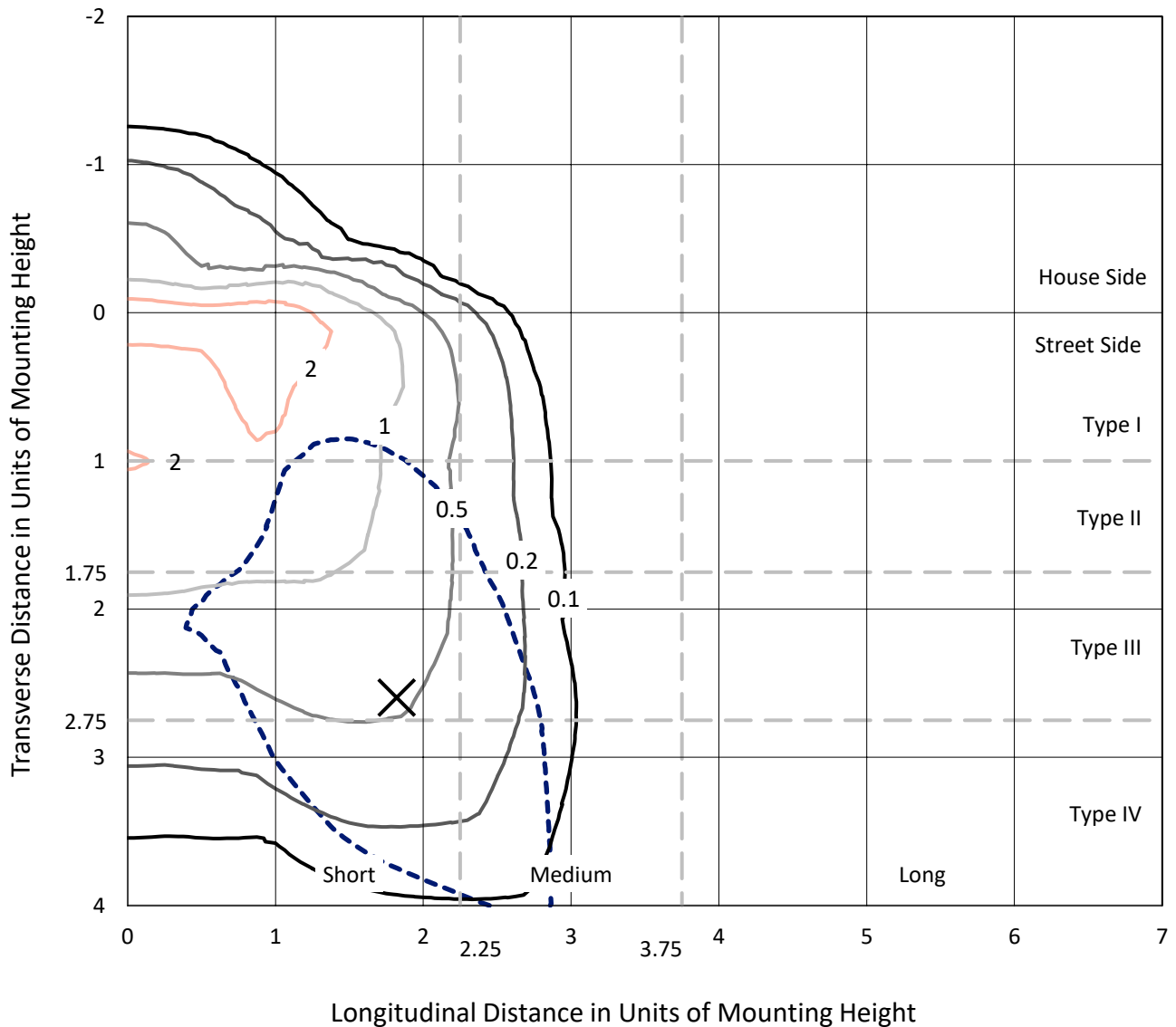
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852358
 CATALOG NUMBER: GLAN-SB3B-730-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

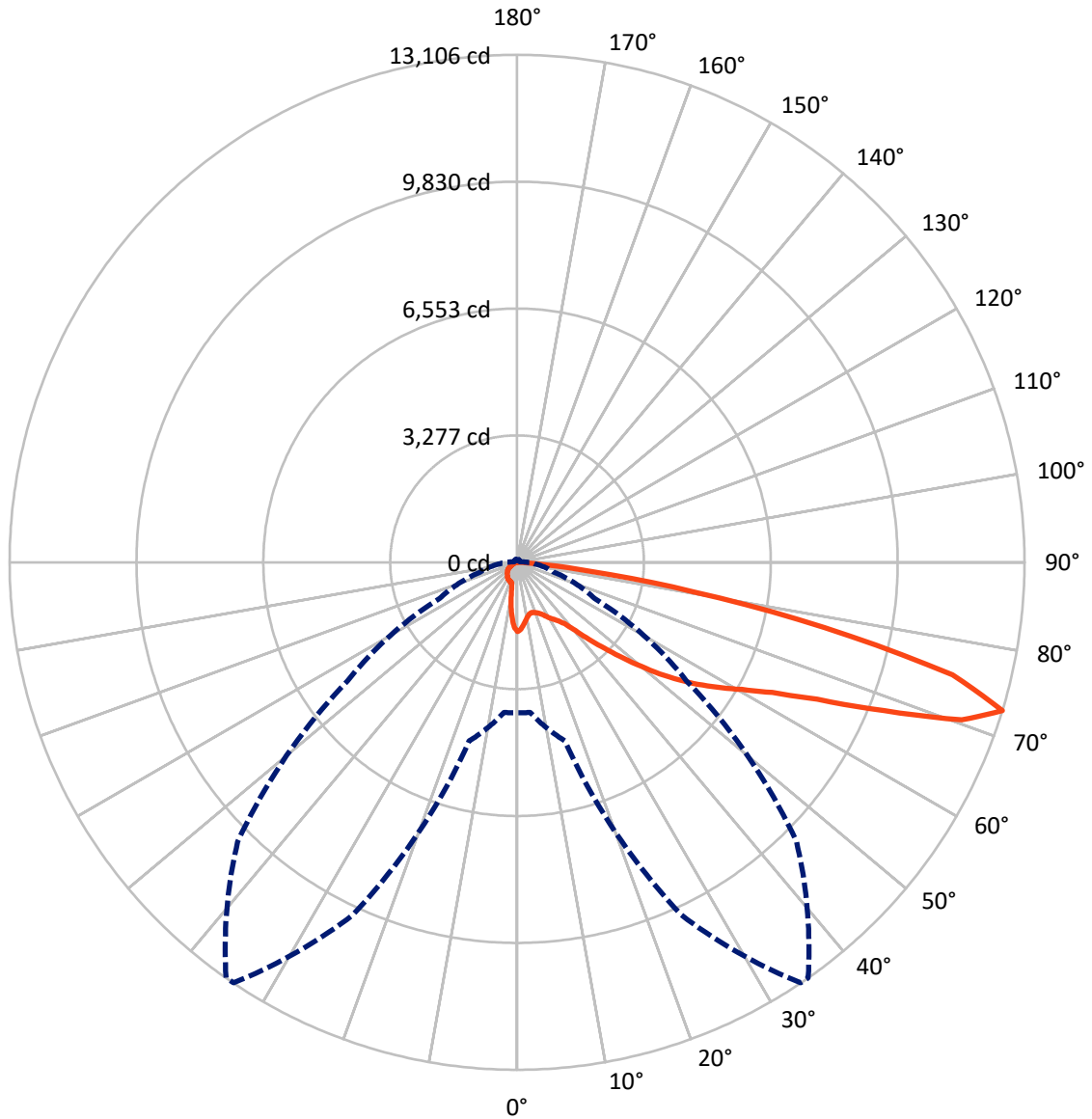
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P852358
CATALOG NUMBER: GLAN-SB3B-730-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P852358
 CATALOG NUMBER: GLAN-SB3B-730-U-T4FT-HSS

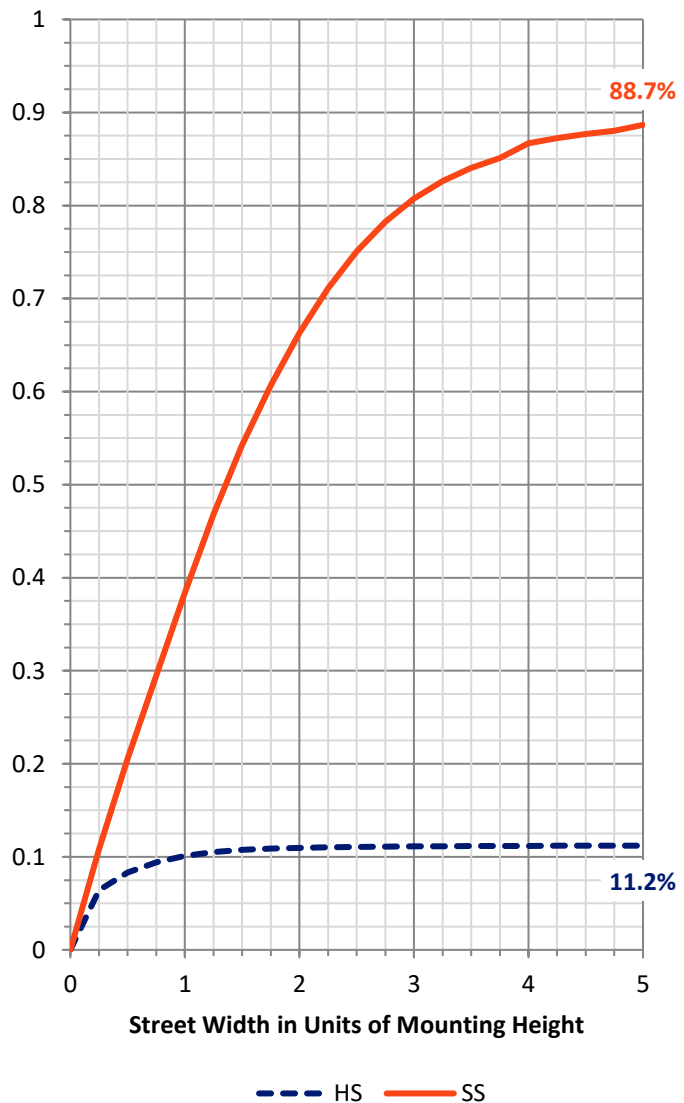
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1390.7	0.0	1390.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	10966.3	0.0	10966.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	12357.0	0.0	12357.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.2	1.2
10°-20°	344.3	2.8
20°-30°	559.3	4.5
30°-40°	933.1	7.6
40°-50°	1765.5	14.3
50°-60°	2805.4	22.7
60°-70°	3470.5	28.1
70°-80°	2157.3	17.5
80°-90°	174.3	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	12357.0	100.0
0°-180°	12357.0	100.0

Coefficient of Utilization



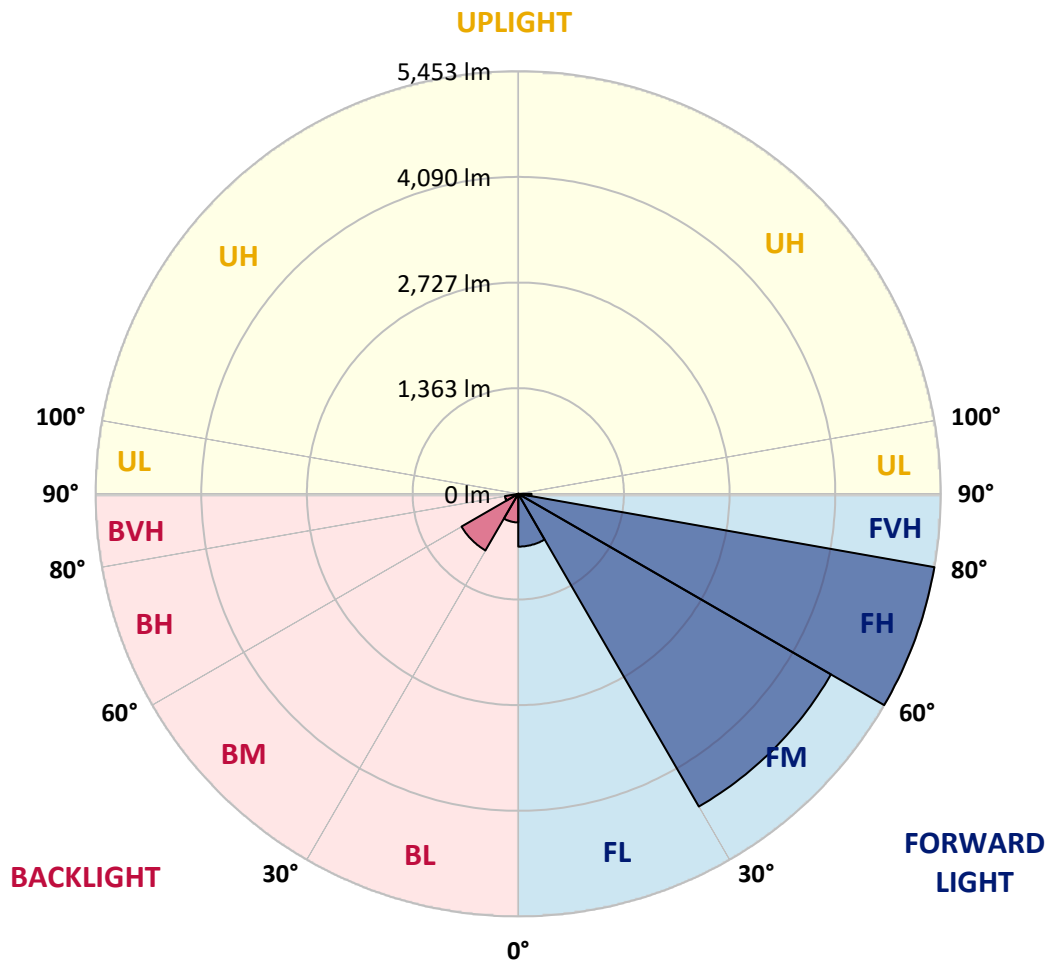
REPORT NUMBER: P852358
 CATALOG NUMBER: GLAN-SB3B-730-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	681.2	5.5			
FM (30°-60°)	4659.8	37.7			
FH (60°-80°)	5453.3	44.1			G3/7500
FVH (80°-90°)	172.0	1.4			G2/225
BL (0°-30°)	369.5	3.0	B1/500		
BM (30°-60°)	844.3	6.8	B1/1000		
BH (60°-80°)	174.5	1.4	B1/500		G1/500
BVH (80°-90°)	2.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



REPORT NUMBER: P852358
 CATALOG NUMBER: GLAN-SB3B-730-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1790.9	1790.9	1790.9	1790.9	1790.9	1790.9	1790.9	1790.9	1790.9	1790.9
2.5°	1711.3	1725.8	1728.5	1733.0	1733.0	1738.4	1747.5	1760.2	1781.0	1791.8
5°	1577.3	1588.1	1601.7	1612.6	1633.4	1636.1	1671.4	1705.8	1753.8	1790.0
7.5°	1442.4	1455.0	1473.1	1499.4	1526.6	1534.7	1588.1	1646.1	1722.1	1790.0
10°	1347.3	1348.2	1364.5	1390.7	1434.2	1444.2	1509.4	1591.7	1686.8	1779.2
12.5°	1293.9	1300.2	1307.4	1327.4	1369.0	1375.4	1445.1	1541.9	1651.5	1772.8
15°	1293.9	1298.4	1302.9	1312.9	1346.4	1351.8	1413.4	1510.3	1633.4	1775.6
17.5°	1307.4	1314.7	1311.1	1322.8	1358.1	1361.8	1416.1	1501.2	1632.5	1792.8
20°	1340.0	1345.5	1338.2	1345.5	1380.8	1388.0	1444.2	1518.4	1647.9	1822.6
22.5°	1391.6	1394.4	1377.2	1382.6	1418.8	1427.9	1493.1	1567.3	1685.0	1870.6
25°	1456.8	1462.3	1436.0	1442.4	1476.8	1487.6	1562.8	1640.6	1743.9	1936.7
27.5°	1532.0	1534.7	1512.1	1511.2	1555.5	1570.9	1647.0	1731.2	1822.6	2020.0
30°	1618.0	1626.2	1604.4	1600.8	1656.9	1669.6	1744.8	1842.6	1938.5	2145.0
32.5°	1685.9	1692.3	1679.6	1688.6	1745.7	1755.6	1863.4	2000.1	2120.5	2322.4
35°	1783.7	1787.3	1758.3	1774.6	1839.8	1865.2	2025.5	2221.0	2349.6	2545.2
37.5°	2137.7	2137.7	2014.6	1934.0	1996.5	2019.1	2247.3	2499.0	2632.1	2844.0
40°	2627.6	2619.4	2439.2	2274.4	2266.3	2310.7	2563.3	2849.4	2997.0	3202.5
42.5°	3150.0	3137.3	2891.9	2729.0	2701.8	2717.2	2928.2	3281.3	3431.6	3639.8
45°	3613.6	3610.0	3385.4	3166.3	3117.4	3166.3	3383.6	3786.5	3894.3	4113.4
47.5°	4002.0	4002.0	3838.1	3695.1	3669.7	3698.7	4000.2	4347.0	4337.0	4617.7
50°	4449.3	4445.7	4289.9	4228.4	4254.6	4295.4	4710.1	4937.3	4795.2	5113.0
52.5°	4762.6	4784.3	4730.9	4720.9	4854.9	4925.5	5430.8	5515.0	5205.3	5582.9
55°	5010.7	5036.0	5097.6	5167.3	5425.3	5517.7	6128.9	6062.8	5548.5	5990.3
57.5°	5362.0	5325.7	5420.8	5558.4	5975.8	6087.2	6805.2	6579.8	5824.6	6320.8
60°	5788.4	5793.9	5810.2	5984.0	6525.4	6668.5	7471.6	7068.7	6002.1	6523.6
62.5°	6300.9	6309.0	6342.5	6609.7	7263.4	7398.3	8181.5	7468.9	6083.6	6466.6
65°	6265.6	6300.0	6673.9	7587.5	8385.2	8518.3	9009.9	7749.6	5960.5	5945.1
67.5°	5707.8	5764.0	6389.6	8755.5	10076.5	10225.0	10011.4	7804.8	5429.0	4623.1
70°	4976.3	4996.2	5748.6	9805.8	12035.0	12185.3	10907.7	7197.3	4119.7	2578.7
72.5°	3886.1	3890.6	4773.4	10049.4	13098.0	13106.1	10204.2	5343.0	2215.6	990.5
75°	2776.1	2748.9	3197.1	8149.8	11523.4	11615.8	7650.0	2506.2	846.6	468.1
77.5°	1488.5	1518.4	1809.1	4833.2	7960.6	8118.1	4174.0	722.5	431.0	318.7
80°	460.0	485.3	741.5	2212.9	4509.0	4604.1	1547.4	321.4	300.6	227.3
82.5°	144.9	150.3	345.9	929.9	1871.5	1915.0	448.2	182.0	205.5	150.3
85°	41.6	42.6	153.9	346.8	462.7	471.7	125.9	70.6	117.7	93.3
87.5°	4.5	14.5	57.9	57.9	40.7	39.8	13.6	15.4	33.5	11.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852358
 CATALOG NUMBER: GLAN-SB3B-730-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1790.9	0°	1790.9	1790.9	1790.9	1790.9	1790.9	1790.9	1790.9	1790.9	1790.9	1790.9
1799.1	2.5°	1794.6	1795.5	1783.7	1763.8	1742.1	1723.9	1701.3	1683.2	1670.5	1666.9
1815.4	5°	1807.2	1800.9	1767.4	1706.7	1634.3	1571.8	1502.1	1446.9	1410.7	1395.3
1832.6	7.5°	1826.3	1808.1	1734.8	1615.3	1476.8	1353.6	1228.7	1131.8	1070.2	1039.4
1848.9	10°	1842.6	1806.3	1680.5	1483.1	1271.2	1084.7	916.3	799.5	734.3	703.5
1867.9	12.5°	1857.9	1805.4	1609.9	1326.5	1039.4	811.3	654.6	596.7	578.6	572.2
1898.7	15°	1886.9	1808.1	1521.1	1147.2	808.6	613.0	555.9	555.0	558.7	556.8
1945.8	17.5°	1926.8	1810.9	1420.6	957.0	623.8	540.5	537.8	546.0	551.4	548.7
2004.6	20°	1978.4	1821.7	1313.8	768.7	536.0	522.4	528.8	536.0	540.5	536.0
2083.4	22.5°	2050.8	1840.7	1197.0	617.5	507.9	511.6	517.0	525.2	529.7	523.3
2183.9	25°	2139.5	1870.6	1082.0	536.9	494.4	498.9	507.0	516.1	521.5	515.2
2310.7	27.5°	2254.5	1918.6	976.1	518.8	480.8	483.5	495.3	508.9	516.1	507.9
2490.8	30°	2421.1	1997.4	884.6	527.0	472.6	466.3	482.6	501.6	509.8	502.5
2736.2	32.5°	2642.0	2108.8	828.5	539.6	469.0	446.4	461.8	486.2	499.8	495.3
3056.7	35°	2931.8	2278.1	806.7	554.1	466.3	425.6	436.4	462.7	486.2	490.7
3460.6	37.5°	3283.1	2513.5	813.1	560.5	458.1	408.3	413.8	436.4	467.2	481.7
3915.1	40°	3682.4	2787.8	849.3	554.1	449.1	393.9	394.8	412.0	439.1	460.9
4404.0	42.5°	4094.4	3108.3	916.3	530.6	440.9	381.2	378.5	390.2	408.3	423.7
4892.0	45°	4486.4	3437.9	982.4	498.0	431.0	368.5	362.2	366.7	370.3	376.7
5367.4	47.5°	4828.7	3669.7	963.4	468.1	417.4	354.0	343.2	341.3	330.5	329.6
5792.0	50°	5065.0	3720.4	855.6	438.2	397.5	337.7	320.5	309.7	290.6	281.6
6109.9	52.5°	5140.1	3520.3	699.0	408.3	364.9	316.0	291.5	274.3	250.8	242.7
6292.7	55°	5040.5	3128.3	558.7	372.1	319.6	287.0	259.9	237.2	218.2	208.2
6312.7	57.5°	4797.0	2629.4	441.9	329.6	271.6	254.4	227.3	204.6	188.3	178.4
6091.7	60°	4393.2	2087.9	349.5	278.9	231.8	219.1	191.0	176.6	162.1	150.3
5521.3	62.5°	3780.2	1490.3	274.3	220.9	193.8	179.3	163.0	152.1	134.9	118.6
4495.5	65°	2949.9	911.8	211.9	162.1	155.7	148.5	138.5	128.6	107.7	91.4
2932.7	67.5°	1860.7	431.9	151.2	122.2	123.1	119.5	115.0	106.8	91.4	77.0
1313.8	70°	819.4	209.2	99.6	93.3	91.4	91.4	95.1	92.4	77.9	64.3
456.3	72.5°	278.9	112.3	74.2	70.6	66.1	65.2	79.7	77.0	62.5	49.8
227.3	75°	145.8	75.2	54.3	50.7	39.8	48.0	63.4	59.8	44.4	32.6
150.3	77.5°	95.1	53.4	37.1	32.6	22.6	31.7	47.1	41.6	26.3	16.3
98.7	80°	59.8	35.3	21.7	15.4	10.9	17.2	25.4	18.1	10.0	3.6
57.9	82.5°	31.7	18.1	8.1	5.4	4.5	5.4	6.3	4.5	1.8	0.0
29.9	85°	12.7	6.3	2.7	1.8	0.9	0.0	1.8	0.9	0.0	0.0
5.4	87.5°	4.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
1790.9
1673.2
1400.7
1044.0
704.4
570.4
555.9
547.8
535.1
522.4
514.3
507.9
501.6
495.3
490.7
485.3
468.1
430.1
380.3
328.7
282.5
241.8
208.2
176.6
147.6
115.9
88.7
75.2
61.6
47.1
29.9
14.5
2.7
0.0
0.0
0.0
0.0

F REPORT)